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# NOTICE OF ALLOWANCE AND FEE(S) DUE

22879

7590

06/16/2009

HEWLETT PACKARD COMPANY P O BOX 272400, 3404 E. HARMONY ROAD INTELLECTUAL PROPERTY ADMINISTRATION FORT COLLINS, CO 80527-2400

EXAMINER				
JEAN, FRANTZ B				
ART UNIT	PAPER NUMBER			
2454				

DATE MAILED: 06/16/2009

APPLICATIO	N NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/684,0	33	10/09/2003	W. Bruce Culbertson	200315392-1	3187

TITLE OF INVENTION: METHOD AND SYSTEM FOR CLUSTERING DATA STREAMS FOR A VIRTUAL ENVIRONMENT

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	09/16/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

### PART B - FEE(S) TRANSMITTAL

### Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

ppropriate. All further	correspondence includired below or directed oth	ng the Patent, advance or	rders and notification of m	naintenance fees w	ill be mail	ed to the current	nould be completed where correspondence address as rate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)			Fee( pape	s) Transmittal. Thi	is certificate l paper, suc	e cannot be used f th as an assignme	r domestic mailings of the or any other accompanying nt or formal drawing, must
P O BOX 27240 INTELLECTUA	7590 06/16 ACKARD COMPA 0, 3404 E. HARMO LL PROPERTY AD	ANY ONY ROAD		Cer	tificate of N	Mailing or Transi	mission deposited with the United it class mail in an envelope above, or being facsimile ate indicated below.
FORT COLLINS	S, CO 80527-2400						(Depositor's name)
			_				(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTORNE'	Y DOCKET NO.	CONFIRMATION NO.
10/684,033 ITLE OF INVENTION	10/09/2003 : METHOD AND SYST	EM FOR CLUSTERING	W. Bruce Culbertson 3 DATA STREAMS FOR A	VIRTUAL ENV		315392-1 T	3187
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUI	E FEE TO	OTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	•	\$1810	09/16/2009
EXAM	INER	ART UNIT	CLASS-SUBCLASS				
JEAN, FR	ANTZ B	2454	709-231000				
FR 1.363).  Change of corresponding of c	ess an assignee is ident h in 37 CFR 3.11. Comp	nge of Correspondence  "Indication form ed. Use of a Customer  A TO BE PRINTED ON T	2. For printing on the part of the names of up to or agents OR, alternative (2) the name of a single registered attorney or a 2 registered patent attor listed, no name will be a THE PATENT (print or type data will appear on the part a substitute for filing and (B) RESIDENCE: (CITY)	3 registered patentely, efirm (having as a gent) and the nammeys or agents. If printed.  e) tent. If an assignassignment.	t attorneys member a es of up to no name is		ocument has been filed for
lease check the appropri	iate assignee category or	categories (will not be pr	rinted on the patent):	Individual 🗖 Co	orporation o	r other private gro	oup entity   Government
a. The following fee(s) are submitted:  Issue Fee Publication Fee (No small entity discount permitted) Advance Order - # of Copies		<ul> <li>Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)</li> <li>☐ A check is enclosed.</li> <li>☐ Payment by credit card. Form PTO-2038 is attached.</li> <li>☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).</li> </ul>					
a. Applicant claims	<b>tus</b> (from status indicated s SMALL ENTITY statu	is. See 37 CFR 1.27.	☐ b. Applicant is no long				
OTE: The Issue Fee and terest as shown by the r	d Publication Fee (if requeecords of the United Sta	uired) will not be accepted tes Patent and Trademark	d from anyone other than the Office.	ne applicant; a regi	stered attori	ney or agent; or th	e assignee or other party in
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n application. Confident abmitting the completed	tiality is governed by 35 I application form to the	U.S.C. 122 and 37 CFR USPTO. Time will vary	on is required to obtain or re 1.14. This collection is estived depending upon the indivi- de Chief Information Office COMPLETED FORMS TO	imated to take 12 r idual case. Anv co	minutes to comments on	complete, including the amount of tire	by the USPTO to process) g gathering, preparing, and ne you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450,

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/684,033	10/09/2003	W. Bruce Culbertson	200315392-1	3187
22879 75	90 06/16/2009		EXAM	INER
HEWLETT PAC	KARD COMPANY		JEAN, FR	RANTZ B
,	3404 E. HARMONY I		ART UNIT	PAPER NUMBER
INTELLECTUAL PROPERTY ADMINISTRATION FORT COLLINS, CO 80527-2400		STRATION	2454	
			DATE MAILED: 06/16/2009	

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 935 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 935 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	10/684,033	CULBERTSON ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Front- P. Joon	2454	
	Frantz B. Jean	2454	
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate com IGHTS. This application i	) in this application. If not included munication will be mailed in due course. <b>THIS</b>	
1. $\boxtimes$ This communication is responsive to <u>the amendment filed</u>	<u>on 4/13/09</u> .		
2. X The allowed claim(s) is/are <u>1,5-22,25 and 29-39</u> .			
<ul> <li>3.  Acknowledgment is made of a claim for foreign priority unally all blooms blooms</li></ul>	e been received.		
<ul><li>3. Copies of the certified copies of the priority do</li></ul>	• • •		
International Bureau (PCT Rule 17.2(a)).	cuments have been recer	ved in this national stage application from the	
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		file a reply complying with the requirements	
4. A SUBSTITUTE OATH OR DECLARATION must be subminformal patent application (PTO-152) which give			
5. CORRECTED DRAWINGS ( as "replacement sheets") must	st be submitted.		
(a) I including changes required by the Notice of Draftspers	son's Patent Drawing Rev	iew ( PTO-948) attached	
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date			
<ul><li>(b) ☐ including changes required by the attached Examiner'</li><li>Paper No./Mail Date</li></ul>	s Amendment / Comment	or in the Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			
6. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT			
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5 ☐ Notice of	Informal Patent Application	
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)		Summary (PTO-413),	
3. ☐ Information Disclosure Statements (PTO/SB/08),	Paper N	o./Mail Date ´´ r's Amendment/Comment	
Paper No./Mail Date  4.  Examiner's Comment Regarding Requirement for Deposit		r's Statement of Reasons for Allowance	
of Biological Material	9. ☐ Other		
/Frantz B. Jean/		<del></del>	
Primary Examiner, Art Unit 2454			

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Art Unit: 2454

Claims 1, 5-22, 25, and 29-39 are allowed over the prior art of record and in light of applicant's arguments.

The following is an examiner's statement of reasons for allowance: the prior art of record fails to teach determining a cluster of receiving nodes in said virtual environment, wherein each of said cluster of receiving nodes have associated values for at least one clustering parameter that as a set satisfies a test; generating a common data stream based on said at least one clustering parameter; generating a common video image stream as said common data stream of an object associated with said sending node using a new view synthesis technique, wherein said common video image stream is rendered from a common perspective in said virtual environment that is associated with said cluster of receiving nodes wherein said common perspective is calculated from an average of said at least one clustering parameter; generating a three-dimensional model of said object to which said new view synthesis technique is applied to generate said common video image stream; and sending said common data stream from a sending node to said cluster of receiving nodes

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Frantz B. Jean whose telephone number is 571-272-3937. The examiner can normally be reached on 8:30-6:00 M-f.

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Art Unit: 2454

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan J. Flynn can be reached on 571-272-1915. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Frantz B. Jean/ Primary Examiner, Art Unit 2454